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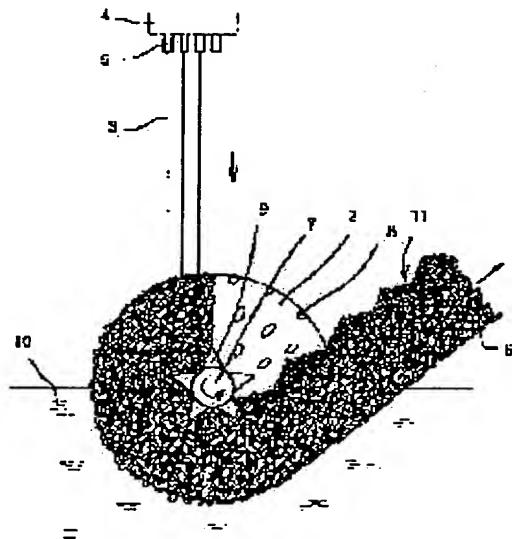
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(54) FILLER FOR WASTEWATER TREATMENT

(57)Abstract:

PURPOSE: To provide a filler for wastewater treatment which can exhibit the function sufficiently to wastewater flowing three-dimensionally and which can be prepared easily.

CONSTITUTION: A plurality of threads 3 are prepared by heating and melting thermally a plastic synthetic resin and extruding the resin through a plurality of nozzles 5 of an extruder 4, and the threads are made to go down continuously. At the position under the nozzles, each thread 3 which is not yet solidified and has softness is received by a receiving tool at slower speed than going-down speed of the thread, so that each thread being bent and wound, the mutual contact points of threads 3 are bound by utilizing the adhesive properties of the threads in not yet solidified state and thus the threads are gathered into a net. At the same time, the net-like gathered body is deformed like a receiving tool shape and cooled and solidified and the obtained body is cut into pieces in proper length and by binding both ends of them unitedly, a filler for wastewater treatment is obtained with a three-dimensional shape.



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(54)【発明の名称】廃水処理用充填材

(57)【要約】

【目的】本発明は、三次元的に流れる廃水に対しても十分に性能を発揮することができ、しかも容易に製造できる廃水処理用充填材を提供する。

【構成】熱可塑性合成樹脂を加熱溶融して押出機の複数のノズルから押し出すことにより複数の線条3を成形して連続的に降下させ、その下方位置において未だ未固化状態で柔軟性を維持する各線条3を受け具によりその降下速度より遅く受け取ることによって各線条3を曲がりくねらせて互いに接触部位をその未固化状態の粘着性を利用して接着させながら網状に集合させると共にその網状集合物を受け具の形状に倣って変形させて冷却固化したものを適宜な長さに切断してその両端を一体的に接合することにより立体化して得られる廃水処理用充填材。

